

AMENDMENTS TO THE CLAIMS

1. (currently amended) A method for authenticating the recording of digital video signals, the digital video signal being recorded onto a fresh unrecorded disk by a disk recorder of a disk feeder system, the disk feeder system comprising ~~including~~ coding generating and mixing means and a code imprinter, the method comprising the steps of:

a. feeding said fresh disk from a fresh disk compartment of said disk feeder system to said ~~disk recorder through~~ said code imprinter;

b. generating an exclusive code for each said fresh disk by the coding generating and ~~mixing means~~ ~~fed to said disk recorder;~~ and

c. imprinting said exclusive code onto a surface ~~label~~ of said fresh disk by the code ~~imprinter, such that an imprinted disk is fed to said disk recorder~~ the label being disposed on a surface opposite to a digital video signal data recording surface of said fresh disk;

d. feeding said fresh disk imprinted with the exclusive code to said disk recorder; and

e. generating coded signals ~~commensurating~~ commensurate with said exclusive code by the ~~coding generating and mixing means;~~ and

f. mixing said coded signals with said digital video signals recorded by said disk recorder; ~~thereby authenticating to authenticate~~ said recording of the recorded disk outputted from said disk feeder system.

2. (currently amended) The method for authenticating the recording of digital video signals according to claim 1, wherein the disk feeder system is adapted for authenticating the reading back of said digital video signals recorded from the recorded disk, wherein said disk recorder further includes ~~comprises~~ readback means and said disk feeder system further ~~includes~~ comprises a code reader, a code signal extractor and a comparator, said method further comprising the steps of:

g. loading said recorded disk into said fresh disk compartment; ~~for~~

h. feeding said recorded disk to said disk recorder through said code reader; ~~for~~

i. reading said exclusive code from the surface ~~label~~ of said recorded disk; ~~and~~

j. reading back said video digital signals through said readback means; ~~and~~

k. extracting said coded signals through said code extractor; and
l. comparing said reading of said exclusive code with said extracted coded signals; and
m. outputting authentication signals when said exclusive code and said coded signals commensurate.

3. (currently amended) A method for authenticating the recording of digital video signals, the digital video signal being recorded onto a coded disk by a disk recorder of a disk feeder system, the disk feeder system including comprising a code reader and a code generating and mixing means, wherein said coded disk includes comprises an exclusive code imprinted onto its surface a label, the label being disposed opposite to a digital video signal data recording surface of the coded disk, the method comprising the steps of:

a. feeding said coded disk from a fresh disk compartment of said disk feeder system to said ~~disk recorder through~~ said code reader;
b. reading said exclusive code of said coded disk by the code reader;
c. ~~feeding the coded disk~~ to said disk recorder; and
d. generating coded signals ~~commensurate~~ commensurate with said exclusive code using the code generating and mixing means; and
e. mixing said coded signals with said digital video signals recorded by said disk recorder, ~~thereby authenticating to authenticate~~ said recording of the recorded disk outputted from said disk feeder system.

4. (currently amended) The method for authenticating the recording of digital video signals according to claim 3, wherein the disk feeder system is adapted for authenticating the reading back of said video digital signals recorded from the recorded disk, wherein said disk recorder further includes comprises readback means and said disk feeder system further includes comprises a code signal extractor and a comparator, the method further comprising the steps of:

f. loading said recorded disk into said fresh disk compartment; ~~for~~
g. feeding said recorded disk to said disk recorder through said code reader; ~~for~~
h. reading said exclusive code from the ~~surface label~~ of said recorded disk; and
i. reading back said video digital signals through said readback means; and
j. extracting said coded signals through said code extractor; and

k comparing said reading of said exclusive code with said extracted coded signals; and
l outputting authentication signals when said exclusive code and said coded signals commensurate.

5. (currently amended) The method for authenticating the recording of digital video signals according to claim 1, wherein said fresh disk ~~is at least~~ comprises one of a non-erasable disk and a re-recordable disk.

6. (currently amended) The method for authenticating the recording of digital video signals according to claim 3, wherein said coded disk ~~is at least~~ comprises one of a non-erasable disk and a re-recordable disk.

7. (currently amended) The method for authenticating the recording of digital video signals according to claim 1, wherein said code imprinter ~~is selected from the group consisting of~~ comprises one of a laser printer, an ink jet printer, a heat stamp printer, an ink pad printer, an optical/chemical printer, a ribbon printer and a rubber pad printer.

8. (currently amended) The method for authenticating the recording of digital video signals according to claim 1, wherein said code imprinter further ~~includes~~ comprises a label applicator for attaching exclusively coded labels onto said surface opposite to the digital video signal data recording surface of said fresh disk.

9. (currently amended) The method for authenticating the recording of digital video signal according to claim 3, wherein said exclusive code is imprinted onto a label attached to said surface opposite to the digital video signal data recording surface of said coded disk.

10. (currently amended) A disk feeder apparatus for recording and authenticating digital video signals, the disk feeder apparatus comprising:

a controller including a coding generating and mixing means for generating an exclusive code for each fresh disk and a ~~code coded~~ signals ~~commensurate~~ commensurate with said exclusive code for mixing said ~~code coded~~ signals with said digital video signals;

a fresh disk compartment for loading one or more said fresh disks;

a disk recorder means comprising a disk driver, a recording head, a reciprocal up-down arm, a sliding table, and a pull slider for collecting and transporting an imprinted fresh disk to said disk driver and to said recording head for recording said digital video signals mixed with said code signals onto said imprinted fresh disk;

an imprinting means comprising an imprinting head supported by said reciprocal up-down arm, for imprinting said exclusive code onto ~~the surface~~ label of said fresh disk and for propelling said imprinted fresh disk away from said pull slider into said sliding table, the label being disposed opposite to a digital video signal data recording surface of the fresh disk;

said pull slider pulling and transporting said fresh disk from said fresh disk compartment into said imprinting means;

a collection compartment for collecting the recorded disks;

wherein said sliding table transports back said recorded disk for ejection and said propelled imprinted disk ejects said recorded disk away from said sliding table into said collection compartment.

11. (currently amended) The disk feeder apparatus according to claim 10, and adapted for authenticating the readback of video digital signals read from said recorded disk, wherein:

said imprinting head further ~~includes~~ comprises a code reader for reading said exclusive code imprinted onto said ~~surface~~ label of said recorded disk;

said disk recorder further ~~includes~~ comprises a readout head for reading recorded signals from said recorded disk; and

said controller further ~~includes~~ comprises an extracting means for extracting said code signals from said readout head and said exclusive code from said code reader, and a comparing means for comparing said extracted code signals and said exclusive code for outputting an authentication signal when said code signals and said exclusive code commensurate.

12. (currently amended) A disk feeder apparatus for recording and authenticating digital video signals, the disk feeder apparatus comprising:

a controller including a coding generating and mixing means for generating ~~code-coded~~ signals ~~commensurate~~ commensurate with an exclusive code imprinted on a ~~surface~~ label of a

coded disk for mixing said ~~code-coded~~ signals with said digital video signals, the label being disposed opposite to a digital video signal data recording surface of the coded disk;

a fresh disk compartment for loading one or more said coded disks;

a disk recorder means comprising a disk driver, a recording head and a sliding table for collecting and transporting said coded disk to said disk driver and to said recording head for recording said digital video signals mixed with said ~~code-coded~~ signals onto said coded disk;

an imprinting means comprising a pull slider ~~and~~; a code reader supported by a reciprocal up-down arm, the code reader for reading said exclusive code from the ~~surface~~ label of said ~~fresh~~ coded disk and for propelling said coded disk away from said pull slider into said sliding table;

said pull slider pulling and transporting said coded disk from said fresh disk compartment into said imprinting means; and

a collection compartment for collecting the recorded disks;

wherein said sliding table transports back said recorded disk for ejection and said propelled coded disk ejects said recorded disk away from said sliding table into said collection compartment.

13. (currently amended) The disk feeder apparatus according to claim 10, adapted for authenticating the readback of video digital signals read from said recorded disk, wherein

said disk recorder further ~~includes-comprises~~ a readout head for reading recorded signals from said recorded disk; and

said controller further ~~includes-comprises~~ an extracting means for extracting said code signals from said readout head and said exclusive code from said code reader and a comparing means for comparing said extracted code signals and said exclusive code for outputting an authentication signal when said code signals and said exclusive code commensurate.

14. (currently amended) The disk feeder apparatus according to claim 10, wherein said fresh disk ~~is-comprises~~ one of a non-erasable disk and a re-recordable disk.

15. (currently amended) The disk feeder apparatus according to claim 12, wherein said coded disk ~~is-comprises~~ one of a non-erasable disk and a re-recordable disk.

16. (currently amended) The disk feeder apparatus according to claim 10, wherein said code imprinter ~~is selected from the group consisting of~~ comprises one of a laser printer, an ink jet printer, a heat stamp printer, an ink pad printer, an optical/chemical printer, a ribbon printer and a rubber pad printer.

17. (original) The disk feeder apparatus according to claim 10, wherein said code imprinter further comprises a label applicator for attaching an exclusively coded labels onto said surface of said fresh disk.

18. (cancelled)

19. (currently amended) The disk feeder apparatus according to claim 10, wherein the imprint side of said fresh disk ~~is provided with~~ comprises one of a soft imprint layer and a rim.

20. (currently amended) The disk feeder apparatus according to claim 12, wherein the coded side of said coded disk ~~is provided with~~ comprises one of a soft imprint layer and a rim.

21. (currently amended) The disk feeder apparatus according to claim ~~18~~ 12, wherein said label comprises one of soft portions and a rim.

22. (original) The disk feeder apparatus according to claim 10, wherein said sliding table and said pull slider are combined into one piece.

23. (original) The disk feeder apparatus according to claim 12 wherein said sliding table and said pull slider are combined into one piece.